

COMPOSITION FOR TABLET AND MAKING TABLET

Patent Number: JP10059842

Publication date: 1998-03-03

Inventor(s): KIZU NORIO; NISHIKAWA MASAHIRO; OGASAWARA SHIGEO

Applicant(s): LION CORP

Requested Patent: JP10059842

Application Number: JP19960231477 19960813

Priority Number(s):

IPC Classification: A61K9/20

EC Classification:

Equivalents:

Abstract

PROBLEM TO BE SOLVED: To obtain a composition for a tablet capable of preventing an adhesion of a physiologically active ingredient to a pestle, which is an impediment to production of the tablet when producing the tablet, by blending crystalline powder having a particle diameter within a specific range with a system containing the physiologically active ingredient having a low melting temperature.

SOLUTION: This composition for a tablet is obtained by blending a physiologically active ingredient such as aspirin, ethenzamide and aclofenac having 70-150 deg.C melting point with a crystalline powder having 1-100 μ m average particle diameter (most preferably 1-20 μ m). Lactose, mannitol, sorbitol, silicic anhydride, hydrogen calcium phosphate, other monosaccharides, polysaccharide, etc., are used as the crystalline powder and especially saccharides (including sugar alcohols) are preferable. The blending rate of the crystalline powder based on the weight of the total tablet is 0.5-90wt.%, most preferably 5-30wt.%. A pestle of a tablet-making machine is prevented from being adhered by the physiologically active ingredient having the low melting temperature and is capable of stably and continuously making the tablet for a long period.

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